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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/602,134 | 06/24/2003 | Sridhar Sadasivan | 86569WRZ | 1606 |

7590 02/24/2005

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EXAMINER

RIELLEY, ELIZABETH A

ART UNIT PAPER NUMBER

2879

DATE MAILED: 02/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

AK

| | | | |
|------------------------------|------------------------|---------------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/602,134 | SADASIVAN ET AL. | |
| | Examiner | Art Unit | |
| | Elizabeth A. Rielley | 2879 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 June 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 June 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>6/24/03</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Specification

1. This disclosure is objected to because of the following informalities: missing text in first paragraph.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Alivisatos et al (US 5537000).
4. In regard to claim 1, Alivisatos et al ('000) teaches a light emitting display comprising a first addressing electrode (10; figure 4; column 4 lines 45-49); a second addressing electrode (40; figure 4 column 7 lines 45-60); and a nanomorphic material layer (30; column 5 line 60 to column 6 line 13) positioned between the first addressing electrode and the second addressing electrode (column 7 lines 45-49).

5. In regard to claim 2, Alivisatos et al ('000) teaches the nanomorphoric material is a first organic nanomorphoric material adapted to luminesce at a first wavelength (abstract). Although Alivisatos et al ('000) does not directly teach the invention to be made from an organic material, Alivisatos et al ('000) nevertheless teaches the possible use of an organic nanomorphoric material, but prefers an inorganic material in order to withstand higher temperatures (column 2 lines 1-10).

6. In regard to claim 3, Alivisatos et al ('000) teaches a second (34; figure 7) organic (column 2 lines 1-10) nanomorphoric material positioned between the first addressing electrode (10) and the second addressing electrode (40; not shown in figure 7) in a location other than a location of the first organic nanomorphoric material, the second organic nanomorphoric material being adapted to luminesce at a second wavelength (column 8 line 64 to column 9 line 30).

7. In regard to claim 4, Alivisatos et al ('000) teaches the first organic nanomorphoric material (32; figure 6) has an equivalent chemical composition when compared to the second organic nanomorphoric material (34; figure 6; column 9 lines 6-20).

8. In regard to claim 5, Alivisatos et al ('000) teaches the first organic nanomorphoric material (32; figure 8; column 9 lines 31-40) having a first chemical composition, the second organic nanomorphoric material (36; figure 8) having a second chemical composition, wherein the first chemical composition does not equal the second chemical composition (column 9 lines 31-40).

9. In regard to claim 6, Alivisatos et al ('000) teaches a first addressing electrode (10); a second addressing electrode (40); and a material (30) positioned between the first addressing electrode and the second addressing electrode, wherein the material luminesces at a plurality of wavelengths (abstract).

10. In regard to claim 7, Alivisatos et al ('000) teaches the material is nanomorphie (abstract).

Conclusion

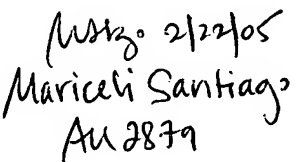
11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Elizabeth A. Rielley whose telephone number is 571-272-2117. The examiner can normally be reached on Monday - Friday 7:30 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar Patel can be reached on 571-272-2457. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Elizabeth Rielley

Examiner
Art Unit 2879


Mariceli Santiago
Au 2879